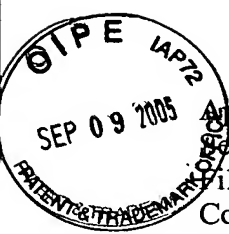


09-12-05

15m \$ 1625

Attorney's Docket No.: 18202-018001/1082



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zhi, et al.
Serial No. : 10/080,503
Filed : February 22, 2002
Conf. No. : 8671
Title : TRICYCLIC QUINOLINONE AND TRICYCLIC QUINOLINE ANDROGEN
RECEPTOR MODULATOR COMPOUNDS AND METHODS

Art Unit : 1625
Examiner : Lawrence E. Crane, Ph.D.
Cust. No. : 20985

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Forms PTO-1449 (3 pages), copies of cited non US patent references, a check in the amount of \$180.00, and a return postcard for filing in connection with the above-identified application. Because this Supplemental Information Disclosure Statement is filed after the receipt of a first office action on the merits in the above-referenced application, a check for the filing fee of \$180.00 is enclosed. If it is determined that the fee amount is incorrect or if the check is missing, the Office is hereby authorized to charge the fee to Deposit Account No. 06-1050, as stated below:



The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

09/14/2005 EATALEW1-00000101 10080503

01 FC:1806

180.00 BP

Respectfully submitted,

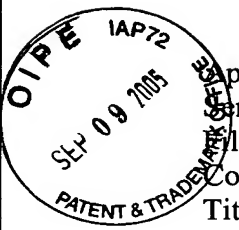
Stephanie Seidman
Reg. No. 33,779

Attorney Docket No. 18202-018001/1082
Address all correspondence to:
Stephanie L. Seidman
Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (202) 626-7796
email: seidman@fr.com

CERTIFICATE OF MAILING BY "EXPRESS MAIL"
"Express Mail" Mailing Label Number EV 399318254 US
Date of Deposit September 09 2005
I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie L. Seidman

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant : Zhi, et al.
Serial No. : 10/080,503
Filed : February 22, 2002
Conf. No. : 8671
Title : TRICYCLIC QUINOLINONE AND TRICYCLIC QUINOLINE ANDROGEN
RECEPTOR MODULATOR COMPOUNDS AND METHODS

Art Unit : 1625
Examiner : Lawrence E. Crane, Ph.D.
Cust. No. : 20985

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Forms PTO-1449 (3 pages), copies of cited non US patent references, a check in the amount of \$180.00, and a return postcard for filing in connection with the above-identified application. Because this Supplemental Information Disclosure Statement is filed after the receipt of a first office action on the merits in the above-referenced application, a check for the filing fee of \$180.00 is enclosed. If it is determined that the fee amount is incorrect or if the check is missing, the Office is hereby authorized to charge the fee to Deposit Account No. 06-1050, as stated below:

☒ The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

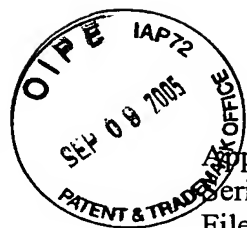
Respectfully submitted,

Stephanie Seidman
Reg. No. 33,779

Attorney Docket No. 18202-018001/1082
Address all correspondence to:
Stephanie L. Seidman
Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (202) 626-7796
email: seidman@fr.com

CERTIFICATE OF MAILING BY "EXPRESS MAIL"
"Express Mail" Mailing Label Number EV 399318254 US
Date of Deposit September 09 2005
I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie L. Seidman



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lin Zhi et al.
Serial No. : 10/080,503
Filed : February 22, 2002
Conf. No. : 8671
Title : TRICYCLIC QUINOLINONE AND TRICYCLIC QUINOLINE ANDROGEN
RECEPTOR MODULATOR COMPOUNDS AND METHODS

Art Unit : 1623
Examiner : Lawrence E. Crane, Ph.D.
Cust. No. : 20985

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN
ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Since this Supplemental Information Disclosure Statement is filed after the receipt of a First Office Action on the Merits for the above-captioned application, a check for the filing fee of \$180.00 is enclosed. If it is determined that the fee amount is incorrect or if the check is missing, the Office is hereby authorized to charge the fee to Deposit No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Forms PTO-1449 (3 pages) and copies of the cited non U.S. Patent documents are provided herewith.

All the documents cited on the Form PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

09/14/2005 EAYALEW1 00000101 10080503

01 FC:1806

180.00 0P

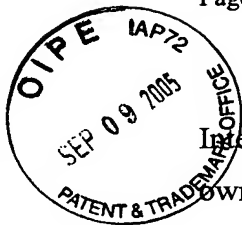
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label Number EV 399318254 US

Date of Deposit **September 09, 2005**

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie L. Spidman



Applicant also makes known to the Examiner the following pending U.S. and International Applications that have one or more common inventors and/or are commonly owned:

Docket No.	U.S.S.N.	Filed	Publ. No.
002007/1002F	08/141,246	10/22/93	n/a
002009/1002H	08/141,496	10/22/93	n/a
004002/1026B	08/484,487	06/07/95	n/a
004003/1026C	10/847,732	05/17/04	2004-0209839
005003/1028C	10/360,580	02/05/03	20040019072
007002/1033B	09/277,405	03/26/99	n/a
009001/1042	08/883,115	06/26/97	n/a
013002/1062B	10/238,363	09/09/02	20030186970
014002/1066B	10/329,307	12/23/02	20030149268
015002/1073B	10/299,909	11/18/02	20030130505
017001/1081	10/080,926	02/22/02	20020183346
018001/1082	10/080,503	02/22/02	20020183314
020001/1088	10/684,229	10/10/03	20040152718
033001/1051	09/463,542	01/21/00	n/a
035002/1059B	10/229,649	08/27/02	20030013766
046003/1057C	09/866,025	05/25/01	n/a
048001/1087	10/684,212	10/10/03	20040152717
051001/1814	10/211,969	08/01/02	n/a
057001/1091	10/684,227	10/10/03	20040147530

Docket No.	Intl. No.	Filed	Publ. No.
022WO1/1096PC	PCT/US04/022907	07/16/04	2005/017185
023WO1/1097PC	PCT/US04/023788	07/16/04	2005/009104
024WO1/1098PC	PCT/US04/023093	07/16/04	2005/016255
026WO1/1100PC	PCT/US04/023010	07/16/04	2005/010202
027WO1/1110PC	PCT/US2005/06627	02/24/05	Awaiting
028WO1/1112PC	PCT/US2005/07867	3/11/05	Awaiting
030WO1/1111PC	PCT/US04/027483	08/23/04	2005/018573

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall

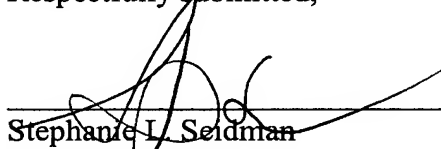
Applicant : Zhi, et al.
Serial No. : 10/684,227
Filed : October 10, 2003
Supplemental Information Disclosure Statement
Page : 3 of 3

Attorney's Docket No.: 18202-057001 / 1091

not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and they be made of record in the file history of the above-captioned application.

Respectfully submitted,



Stephanie L. Seidman
Reg. No. 23,779

Dated: September 9, 2005
Attorney Docket No. 18202-018001 / 1082
Address all correspondence to:
Stephanie L. Seidman
Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (202) 626-7796
email: seidman@fr.com

Sheet 1 of 3Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
18202-018001/1082Application No.
10/080,503**List of Patents and Publications for Applicant's
Information Disclosure Statement**Applicant
Lin Zhi et al.Filing Date
February 22, 2002Group Art Unit
1623

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2003/0130505	07/10/03	Zhi et al.	540	575	11/18/05
	AB	2003/0149268	08/07/03	Hamann et al.	546	81	12/23/02
	AC	2003/0186970	10/02/03	Higuchi et al.	514	224.2	09/09/02
	AD	5,677,336	10/14/97	Jones et al.	514	546	10/21/93
	AE	5,688,808	11/18/97	Jones et al.	514	285	06/05/95
	AF	5,688,810	11/18/97	Jones et al.	514	311	06/05/95
	AG	5,693,646	12/02/97	Jones et al.	514	285	06/05/95
	AH	5,693,647	12/02/97	Jones et al.	514	285	06/05/95
	AI	5,696,127	12/09/97	Jones et al.	514	285	06/05/95
	AJ	5,696,133	12/09/97	Jones et al.	514	314	06/05/95
	AK	5,994,544	11/30/99	Jones et al.	546	62	12/09/97
	AL	6,001,846	12/14/99	Edwards et al.	514	285	02/17/98
	AM	6,093,821	07/25/00	Jones et al.	544	333	10/08/97
	AN	6,093,826	07/25/00	Edwards et al.	546	62	06/08/98
	AO	6,121,450	09/19/00	Jones et al.	546	81	10/08/97
	AP	6,172,241	01/09/01	Edwards et al.	549	280	10/15/99
	AQ	6,448,405	09/10/02	Jones et al.	546	62	10/08/97
	AR	6,462,038	10/08/02	Higuchi et al.	514	224.5	08/24/00
	AS	6,534,516	03/18/03	Edwards et al.	514	285	11/24/99
	AT	6,566,372	05/20/03	Zhi et al.	514	312	08/24/00
	AU	6,667,313	12/23/03	Hamann et al.	514	292	08/25/00
	AV	6,696,459	02/24/04	Jones et al.	514	285	10/14/97

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AW	01/16108	03/08/01	PCT				
	AX	01/16133	03/08/01	PCT				

Examiner Signature

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 18202-018001/1082		Application No. 10/080,503		
List of Patents and Publications for Applicant's Information Disclosure Statement (37 CFR §1.98(b))				Applicant Lin Zhi et al.				
				Filing Date February 22, 2002		Group Art Unit 1623		
Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AY	01/16139	03/08/01	PCT				
	AZ	2005/018573	03/03/05	PCT				
	BA	95/11215	04/27/95	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	BB	Allegretto, E. A. and R.A. Heyman, "Intracellular receptor characterization and ligand screening by transactivation and hormone-binding assays," Methods in Molecular Genetics Volume 8: Human Molecular Genetics, pp. 405-420 (1996).
	BC	Croston et al., "Androgen receptor-mediated antagonism of estrogen-dependent low density lipoprotein receptor transcription in cultured hepatocytes," Endocrinology, 138(9):3779-3786 (1997).
	BD	Hamann, "Discovery of a potent, orally active, nonsteroidal androgen receptor agonist: 4-ethyl-1,2,3,4-tetrahydro-6- (trifluoromethyl)-8-pyridono[5,6-g]-quinoline (LG121071)," Journal of Medicinal Chemistry, 42(2):210-212 (1999).
	BE	Kong et al., "Effects of isosteric pyridone replacements in androgen receptor antagonists based on 1,2-dihydro- and 1,2,3,4-tetrahydro-2,2-dimethyl-6-trifluoromethyl-8-pyridono[5,6-g]quinolines," Bioorganic & Medicinal Chemistry Letters, 10(5):411-414 (2000).
	BF	Lamb, P. and J. Rosen, "Drug discovery using receptors that modulate gene expression," Journal of Receptor & Signal Transduction Research, 17(1-3): 531-543 (1997).
	BG	Lawson et al., "Androgen responsiveness of the pituitary gonadotrope cell line LβT2," Journal of Endocrinology, 170(3):601-607 (2001).
	BH	McDonnell et al., "Definition of the cellular mechanisms which distinguish between hormone and antihormone activated steroid receptors," Seminars in Cancer Biology, 5(5):327-336 (1994).
	BI	Miner, J. N. and C.M. Tyree, "Drug discovery and the intracellular receptor family," Vitamins and Hormones, 62: 253-280 (2001)
	BJ	Negro-Vilar, A., "Selective androgen receptor modulators (SARMs): A novel approach to androgen therapy for the new millennium," Journal of Clinical Endocrinology and Metabolism 84(10):3459-3462 (1999).
	BK	Rosen et al., "Intracellular receptors and signal transducers and activators of transcription superfamilies: Novel targets for small-molecule drug discovery," Journal of Medicinal Chemistry, 38(25):4855-4874 (1995)
	BL	Rosen, J. and A. Negro-Vilar, "Novel, non-steroidal, selective androgen receptor modulators (SARMs) with anabolic activity in bone and muscle and improved safety profile," Journal of Musculoskeletal and Neuronal Interactions, 2(3):222-224 (2002)
	BM	Santiso-Mere, D. and D.P. McDonnell, "Applied nuclear receptor research in the drug discovery process," Chimicaoggi/Chemistry Today 12(5-6):29-36 (1994)
	BN	Zhi, L. and E. Martinborough, "Selective androgen receptor modulators (SARMs)," Chapter 17 in Annual Reports in Medicinal Chemistry 36:169-180 (2001)
Examiner Signature		Date Considered
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 18202-018001/1082	Application No. 10/080,503		
List of Patents and Publications for Applicant's Information Disclosure Statement (37 CFR §1.98(b))				Applicant Lin Zhi et al.			
				Filing Date February 22, 2002	Group Art Unit 1623		
				Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document					
	BO	Zhi et al., "Switching androgen receptor antagonists to agonists by modifying C-ring substituents on piperidino[3,2-g]quinolinone," Bioorganic & Medicinal Chemistry Letters, 9(7):1009-1012 (1999).					

Examiner Signature	Date Considered
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	